

This Page Is Inserted by IFW Operations
and is not a part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

IMAGES ARE BEST AVAILABLE COPY.

**As rescanning documents *will not* correct images,
please do not report the images to the
Image Problem Mailbox.**

**DECLARATION
FOR PATENT APPLICATION**

As a below named inventor(s), I/We hereby declare that:

My/Our residence(s), post office address(es) and citizenship(s) are as stated below my name(s).
I/We verily believe I am/we are the original, first and sole/joint inventor(s) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

NOVEL ADENOSINE ANALOGUES AND THEIR USE AS PHARMACEUTICAL AGENTS

and the specification of which ☐ is attached hereto (Aventis Docket No. DEAV 2002/0059 US NP)
(check one) ☒ was filed on **June 27, 2003** as U.S. Application Number **10/608,689**
and was amended on (if applicable).
☐ was described and claimed in PCT Int'l Application Number filed on
and as amended under PCT Article 19 on (if any).

I/We hereby state that I/We have reviewed and understand the contents of the above identified specification, including the claims as amended by any amendment referred to above.
I/We acknowledge the duty to disclose to the U.S. Patent and Trademark Office all information known to me/us to be material to patentability as defined in 37 C.F.R. 1.56.

☒ I/We hereby claim foreign priority benefits under Title 35, United States Code §119(a)-(d) or 365 (b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT international application which designated at least one other country other than the United States of America, listed below and having a filing date before that of the application on which priority is claimed. I/We have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Foreign Priority: 02 014 324.4 European 27 June 2002
Number Country Day/Month/Year Filed

Prior Foreign Appn(s): Number Country Day/Month/Year Filed

☒ I/We hereby claim the benefit under Title 35, United States Code §119(e) of any United States Provisional application(s) listed below:

60/434,164 December 17, 2002
Number Filing Date

☐ I/We hereby claim the benefit under Title 35, United States Code §120 or 365(c) of any United States application(s) or international application designating the United States listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code §112, I/We acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations §1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

Application Serial No. Filing Date Status (Patented, Pending)

I/We hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Title 18, United States code §1001, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Inventors(s): ☒ Additional names and signatures are attached.

1. Full name: Antony Bigot

2. Full name: Siegfried Stengelin

Signature: _____

Signature: _____

Date: _____

Date: _____

Country of Citizenship: France

Country of Citizenship: Germany

Residence: Vitry-Sur-Seine, France
(City and State/City and Country only)

Residence: Eppstein, Germany
(City and State/City and Country only)

P. O. Address: 13, quai Jules Guesde
f-94400 Vitry-sur-Seine, France

P. O. Address: Sachsenring 27
Eppstein, Germany

3. Full name: Gerhard Jaehne

Signature: _____

Date: _____

Country of Citizenship: GermanyResidence: Frankfurt am Main, Germany
(City and State/City and Country only)P. O. Address: Seebachstr. 22
65926 Frankfurt am Main, Germany5. Full name: Guenther Mueller

Signature: _____

Date: _____

Country of Citizenship: GermanyResidence: Sulzbach, Germany
(City and State/City and Country only)P. O. Address: Im Haindell 1 b
65843 Sulzbach, Germany7. Full name: Michael R. MyersSignature: Date: November 8, 2003Country of Citizenship: USAResidence: Fishers, IN
(City and State/City and Country only)P. O. Address: 11227 Windemere Boulevard
Fishers, IN, 46038

9. Full name: _____

Signature: _____

Date: _____

Country of Citizenship: _____

Residence: _____
(City and State/City and Country only)

P. O. Address: _____

4. Full name: Andreas Herling

Signature: _____

Date: _____

Country of Citizenship: GermanyResidence: Bad Camberg, Germany
(City and State/City and Country only)P. O. Address: Am Walbersteuck 5
65520 Bad Camberg, Germany6. Full name: Franz Jakob Hock

Signature: _____

Date: _____

Country of Citizenship: GermanyResidence: Dieburg, Germany
(City and State/City and Country only)P. O. Address: Altstadt 19
64807 Dieburg, Germany

8. Full name: _____

Signature: _____

Date: _____

Country of Citizenship: _____

Residence: _____
(City and State/City and Country only)

P. O. Address: _____

10. Full name: _____

Signature: _____

Date: _____

Country of Citizenship: _____

Residence: _____
(City and State/City and Country only)

P. O. Address: _____

Aventis Pharmaceuticals Inc.
Patent Department
Route #202-206
P.O. Box 6800
Mail Code D-303A
Bridgewater, NJ 08807-0800
Telephone (908) 231-2965
Telefax (908) 231-2626

Aventis Docket No. DEAV2002/0059 US NP

UNITED STATES OF AMERICA

**DECLARATION
FOR PATENT APPLICATION**

As a below named inventor(s), I/We hereby declare that:

My/Our residence(s), post office address(es) and citizenship(s) are as stated below my name(s).
I/We verily believe I am/we are the original, first and sole/joint inventor(s) of the subject matter which is claimed
and for which a patent is sought on the invention entitled:

NOVEL ADENOSINE ANALOGUES AND THEIR USE AS PHARMACEUTICAL AGENTS

and the specification of which ☐ is attached hereto (Aventis Docket No. DEAV 2002/0059 US NP)
(check one) ☒ was filed on **June 27, 2003** as U.S. Application Number **10/608,689**
and was amended on (if applicable).
☐ was described and claimed in PCT Int'l Application Number filed on
and as amended under PCT Article 19 on (if any).

I/We hereby state that I/We have reviewed and understand the contents of the above identified specification,
including the claims as amended by any amendment referred to above.
I/We acknowledge the duty to disclose to the U.S. Patent and Trademark Office all information known to me/us to
be material to patentability as defined in 37 C.F.R. 1.56.

☒ I/We hereby claim foreign priority benefits under Title 35, United States Code §119(a)-(d) or 365 (b) of any foreign
application(s) for patent or inventor's certificate, or 365(a) of any PCT international application which designated at
least one other country other than the United States of America, listed below and having a filing date before that of
the application on which priority is claimed. I/We have also identified below any foreign application for patent or
inventor's certificate having a filing date before that of the application on which priority is claimed:

Foreign Priority: **02 014 324.4** **European** **27 June 2002**
Number Country Day/Month/Year Filed

Prior Foreign Appln(s): Number Country Day/Month/Year Filed

☒ I/We hereby claim the benefit under Title 35, United States Code §119(e) of any United States Provisional
application(s) listed below:

60/434,164 **December 17, 2002**
Number Filing Date


☐ I/We hereby claim the benefit under Title 35, United States Code §120 or 365(c) of any United States
application(s) or international application designating the United States listed below and, insofar as the subject
matter of each of the claims of this application is not disclosed in the prior United States application in the manner
provided by the first paragraph of Title 35, United States Code §112, I/We acknowledge the duty to disclose
information which is material to patentability as defined in Title 37, Code of Federal Regulations §1.56 which
became available between the filing date of the prior application and the national or PCT international filing date of
this application.

Application Serial No. Filing Date Status (Patented, Pending)

I/We hereby declare that all statements made herein of my own knowledge are true and that all statements made on information
and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements
and the like so made are punishable by fine or imprisonment, or both, under Title 18, United States code §1001, and that such
willful false statements may jeopardize the validity of the application or any patent issued thereon.

Inventors(s): ☒ Additional names and signatures are attached.

1. Full name: **Antony Bigot**

Signature: 

Date: **06/10/2003**

Country of Citizenship: **France**

Residence: **Vitry-Sur-Seine, France**
(City and State/City and Country only)

P. O. Address: **13, quai Jules Guesde**
F-94400 Vitry-sur-Seine, France

2. Full name: **Siegfried Stengelin**

Signature: _____

Date: _____

Country of Citizenship: **Germany**

Residence: **Eppstein, Germany**
(City and State/City and Country only)

P. O. Address: **Sachsenring 27**
Eppstein, Germany

DECLARATION FOR PATENT APPLICATION

As a below named inventor(s), I/We hereby declare that:

My/Our residence(s), post office address(es) and citizenship(s) are as stated below my name(s).
I/We verily believe I am/We are the original, first and sole/joint Inventor(s) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

NOVEL ADENOSINE ANALOGUES AND THEIR USE AS PHARMACEUTICAL AGENTS

and the specification of which ☐ is attached hereto (Aventis Docket No. DEAV 2002/0059 US NP)
(check one) ☒ was filed on **June 27, 2003** as U.S. Application Number 10/608,689
and was amended on (if applicable).
☐ was described and claimed in PCT Int'l Application Number filed on
and as amended under PCT Article 19 on (if any).

I/We hereby state that I/We have reviewed and understand the contents of the above identified specification, including the claims as amended by any amendment referred to above.
I/We acknowledge the duty to disclose to the U.S. Patent and Trademark Office all information known to me/us to be material to patentability as defined in 37 C.F.R. 1.56.

☒ I/We hereby claim foreign priority benefits under Title 35, United States Code §119(a)-(d) or 365 (b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT international application which designated at least one other country other than the United States of America, listed below and having a filing date before that of the application on which priority is claimed. I/We have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Foreign Priority: 02 014 324.4 European 27 June 2002
Number Country Day/Month/Year Filed

Prior Foreign Appln(s): Number Country Day/Month/Year Filed

☒ I/We hereby claim the benefit under Title 35, United States Code §119(e) of any United States Provisional application(s) listed below:

60/434,164 December 17, 2002
Number Filing Date

☐ I/We hereby claim the benefit under Title 35, United States Code §120 or 365(c) of any United States application(s) or international application designating the United States listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code §112, I/We acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations §1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

Application Serial No. Filing Date Status (Patented, Pending)

I/We hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Title 18, United States code §1001, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Inventors(s): ☒ Additional names and signatures are attached.

1. Full name: Antony Bigot

Signature: _____

Date: _____

Country of Citizenship: France

Residence: Vitry-sur-Seine, France
(City and State/City and Country only)

P. O. Address: 13, quai Jules Guesde
f-94400 Vitry-sur-Seine, France

2. Full name: Siegfried Stengelin

Signature: Siegfried Stengelin

Date: Oct 23, 2003

Country of Citizenship: Germany

Residence: Eppstein, Germany
(City and State/City and Country only)

P. O. Address: Sachsenring 27
Eppstein, Germany

3. Full name: Gerhard Jaehne
Signature: *Gerhard Jaehne*
Date: Oct. 20, 2003
Country of Citizenship: Germany
Residence: Frankfurt am Main, Germany
(City and State/City and Country only)
P. O. Address: Seebachstr. 22
65926 Frankfurt am Main, Germany

5. Full name: Guenter Mueller
Signature: *G. Mueller*
Date: Oct 27 2003
Country of Citizenship: Germany
Residence: Sulzbach, Germany
(City and State/City and Country only)
P. O. Address: Im Haindell 1 b
65843 Sulzbach, Germany

7. Full name: Michael R. Myers
Signature: _____
Date: _____
Country of Citizenship: USA
Residence: Fishers, IN
(City and State/City and Country only)
P. O. Address: 11227 Windemere Boulevard
Fishers, IN, 46038

9. Full name: _____
Signature: _____
Date: _____
Country of Citizenship: _____
Residence: _____
(City and State/City and Country only)
P. O. Address: _____

4. Full name: Andreas Herling
Signature: *Andreas Herling*
Date: Oct. 27, 2003
Country of Citizenship: Germany
Residence: Bad Camberg, Germany
(City and State/City and Country only)
P. O. Address: Am Walbersteuck 5
65520 Bad Camberg, Germany

6. Full name: Franz Jakob Hock
Signature: _____
Date: _____
Country of Citizenship: Germany
Residence: Dieburg, Germany
(City and State/City and Country only)
P. O. Address: Altstadt 19
64807 Dieburg, Germany

8. Full name: _____
Signature: _____
Date: _____
Country of Citizenship: _____
Residence: _____
(City and State/City and Country only)
P. O. Address: _____

10. Full name: _____
Signature: _____
Date: _____
Country of Citizenship: _____
Residence: _____
(City and State/City and Country only)
P. O. Address: _____

Aventis Pharmaceuticals Inc.
Patent Department
Route #202-206
P.O. Box 6800
Mail Code D-303A
Bridgewater, NJ 08807-0800
Telephone (908) 231-2965
Telefax (908) 231-2626

Aventis Docket No. DEAV2002/0059 US NP

DECLARATION FOR PATENT APPLICATION

As a below named inventor(s), I/We hereby declare that:

My/Our residence(s), post office address(es) and citizenship(s) are as stated below my name(s).
I/We verify believe I am/we are the original, first and sole/joint inventor(s) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

NOVEL ADENOSINE ANALOGUES AND THEIR USE AS PHARMACEUTICAL AGENTS

and the specification of which ☐ is attached hereto (Aventis Docket No. DEAV 2002/0089 US NP)
☒ was filed on June 27, 2003 as U.S. Application Number 10/608,689 and was amended on (if applicable).
☐ was described and claimed in PCT Int'l Application Number filed on and as amended under PCT Article 19 on (if any).

I/We hereby state that I/We have reviewed and understand the contents of the above identified specification, including the claims as amended by any amendment referred to above.
I/We acknowledge the duty to disclose to the U.S. Patent and Trademark Office all information known to me/us to be material to patentability as defined in 37 C.F.R. 1.56.

- ☒ I/We hereby claim foreign priority benefits under Title 35, United States Code §119(a)-(d) or 365 (b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT international application which designated at least one other country other than the United States of America, listed below and having a filing date before that of the application on which priority is claimed. I/We have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Foreign Priority: 02 014 324.4 European 27 June 2002
Number Country Day/Month/Year Filed

Prior Foreign Appln(s): Number Country Day/Month/Year Filed

- ☒ I/We hereby claim the benefit under Title 35, United States Code §119(c) of any United States Provisional application(s) listed below:

60/434,164 December 17, 2002
Number Filing Date

- ☐ I/We hereby claim the benefit under Title 35, United States Code §120 or 365(c) of any United States application(s) or international application designating the United States listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code §112, I/We acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations §1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

Application Serial No. Filing Date Status (Patented, Pending)

I/We hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Title 18, United States code §1001, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Inventor(s): ☒ Additional names and signatures are attached.

1. Full name: Antony Bilot

2. Full name: Siegfried Stengel

Signature: _____

Signature: _____

Date: _____

Date: _____

Country of Citizenship: France

Country of Citizenship: Germany

Residence: Vitry-sur-Seine, France

Residence: Eppstein, Germany

(City and State/City and Country only)

(City and State/City and Country only)

P. O. Address: 13, quai Jules Guesde

P. O. Address: Sachsenring 27

94400 Vitry-sur-Seine, France

Eppstein, Germany

3. Full name: Gerhard Isahne

Signature: _____

Date: _____

Country of Citizenship: GermanyResidence: Frankfurt am Main, Germany
(City and State/City and Country only)P. O. Address: Seefachstr. 22
65926 Frankfurt am Main, Germany4. Full name: Andreas Herling

Signature: _____

Date: _____

Country of Citizenship: GermanyResidence: Bad Camberg, Germany
(City and State/City and Country only)P. O. Address: Am Walberstouck 5
65520 Bad Camberg, Germany5. Full name: Guenther Mueller

Signature: _____

Date: _____

Country of Citizenship: GermanyResidence: Sulzbach, Germany
(City and State/City and Country only)P. O. Address: Im Haindell 1 b
65843 Sulzbach, Germany6. Full name: Franz Jakob HockSignature: Franz J. HockDate: 2003-10-16Country of Citizenship: GermanyResidence: Dieburg, Germany
(City and State/City and Country only)P. O. Address: Altstadt 19
64807 Dieburg, Germany7. Full name: Michael R. Myers

Signature: _____

Date: _____

Country of Citizenship: USAResidence: Fishers, IN
(City and State/City and Country only)P. O. Address: 11227 Windemere Boulevard
Fishers, IN, 46038

8. Full name: _____

Signature: _____

Date: _____

Country of Citizenship: _____

Residence: _____
(City and State/City and Country only)

P. O. Address: _____

9. Full name: _____

Signature: _____

Date: _____

Country of Citizenship: _____

Residence: _____
(City and State/City and Country only)

P. O. Address: _____

10. Full name: _____

Signature: _____

Date: _____

Country of Citizenship: _____

Residence: _____
(City and State/City and Country only)

P. O. Address: _____

Aventis Pharmaceuticals Inc.
Patent Department
Route #202-206
P.O. Box 6800
Mail Code D-303A
Bridgewater, NJ 08807-0800
Telephone (908) 231-2965
Telefax (908) 231-2626

Aventis Docket No. DEA V2002/0059 US NP



MAR. 5. 2004 1:40PM

AVENTIS US PAT DEPT

NO. 0093 P. 20

Aventis Docket No.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: **Antony Bigot et al**

Examiner:

Serial No.: **10/608,689**

Group Art Unit: **1614**

Filed: **June 27, 2003**

Title: **NOVEL ADENOSINE ANALOGUES AND
THEIR USE AS PHARMACEUTICAL AGENTS**

POWER OF ATTORNEY FOR PATENT APPLICATION

Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

We, Dr. E. Wein and Dr. J. Fischer Authorized Signatories of Aventis Pharma Deutschland GmbH, Assignee of the above-identified Application, hereby appoint the attorneys and/or agents associated with the Customer No.(s) provided below as attorneys and/or agents with full power to prosecute this application on behalf of Assignee and to transact all of Assignee's business in connection with the above-identified Application in the Patent and Trademark Office:

Customer No.: **005487**

Effective Date: June 27, 2003

By: 
Dr. Elmar-Michael Wein

Title: Prokurist

Date: October 29, 2003

By: 
Dr. Hans-Jürgen Fischer

Title: Handlungsbevollmächtigter

Date: October 29, 2003

Address correspondence and telephone calls to:
Barbara E. Kurys, Reg. No. 34,650
Aventis Pharmaceuticals Inc.
Patent Department
Route #202-206 / P.O. Box 6800
Bridgewater, New Jersey 08807-0800
Telephone (908) 231-2965
Telefax (908) 231-2626

DECLARATION FOR PATENT APPLICATION

As a below named inventor(s), I/We hereby declare that:

My/Our residence(s), post office address(es) and citizenship(s) are as stated below my name(s). I/We verily believe I am/we are the original, first and sole/joint inventor(s) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

NOVEL ADENOSINE ANALOGUES AND THEIR USE AS PHARMACEUTICAL AGENTS

and the specification of which ☐ is attached hereto (Aventis Docket No. DEAV 2002/0059 US NP)
(check one) ☒ was filed on June 27, 2003 as U.S. Application Number 10/608,689
and was amended on _____ (if applicable).
☐ was described and claimed in PCT Int'l Application Number _____ filed on _____
and as amended under PCT Article 19 on _____ (if any).

I/We hereby state that I/We have reviewed and understand the contents of the above identified specification, including the claims as amended by any amendment referred to above. I/We acknowledge the duty to disclose to the U.S. Patent and Trademark Office all information known to me/us to be material to patentability as defined in 37 C.F.R. 1.56.

☒ I/We hereby claim foreign priority benefits under Title 35, United States Code §119(a)-(d) or 365 (b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT international application which designated at least one other country other than the United States of America, listed below and having a filing date before that of the application on which priority is claimed. I/We have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Foreign Priority:	<u>02 014 324.4</u> Number	<u>European</u> Country	<u>27 June 2002</u> Day/Month/Year Filed
----------------------	-------------------------------	----------------------------	---------------------------------------------

Prior Foreign Appln(s):	Number _____	Country _____	Day/Month/Year Filed _____
-------------------------------	--------------	---------------	----------------------------

☒ I/We hereby claim the benefit under Title 35, United States Code §119(e) of any United States Provisional application(s) listed below:

<u>60/434,164</u> Number	<u>December 17, 2002</u> Filing Date
-----------------------------	-----------------------------------------

☐ I/We hereby claim the benefit under Title 35, United States Code §120 or 365(c) of any United States application(s) or international application designating the United States listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code §112, I/We acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations §1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

Application Serial No.	Filing Date	Status (Patented, Pending)
------------------------	-------------	----------------------------

I/We hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Title 18, United States code §1001, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Inventor(s): ☒ Additional names and signatures are attached.

1. Full name: Antony Bigot

2. Full name: Siegfried Stengelin

Signature: _____

Signature: _____

Date: _____

Date: _____

Country of Citizenship: France

Country of Citizenship: Germany

Residence: Vitry-Sur-Seine, France
(City and State/City and Country only)

Residence: Eppstein, Germany
(City and State/City and Country only)

P. O. Address: 13, quai Jules Guesde
F-94400 Vitry-sur-Seine, France

P. O. Address: Sachsenring 27
Eppstein, Germany

3. Full name: Gerhard Jaehne

Signature: _____

Date: _____

Country of Citizenship: GermanyResidence: Frankfurt am Main, Germany
(City and State/City and Country only)P. O. Address: Seebachstr. 22
65926 Frankfurt am Main, Germany4. Full name: Andreas Herling

Signature: _____

Date: _____

Country of Citizenship: GermanyResidence: Bad Camberg, Germany
(City and State/City and Country only)P. O. Address: Am Walbersteuck 5
65520 Bad Camberg, Germany5. Full name: Guenter Mueller

Signature: _____

Date: _____

Country of Citizenship: GermanyResidence: Sulzbach, Germany
(City and State/City and Country only)P. O. Address: Im Haindell 1 b
65843 Sulzbach, Germany6. Full name: Franz Jakob Hock

Signature: _____

Date: _____

Country of Citizenship: GermanyResidence: Dieburg, Germany
(City and State/City and Country only)P. O. Address: Altstadt 19
64807 Dieburg, Germany7. Full name: Michael R. MyersSignature: Date: NOVEMBER 8, 2003Country of Citizenship: USAResidence: Fishers, IN
(City and State/City and Country only)P. O. Address: 11227 Windemere Boulevard
Fishers, IN, 46038

8. Full name: _____

Signature: _____

Date: _____

Country of Citizenship: _____

Residence: _____
(City and State/City and Country only)

P. O. Address: _____

9. Full name: _____

Signature: _____

Date: _____

Country of Citizenship: _____

Residence: _____
(City and State/City and Country only)

P. O. Address: _____

10. Full name: _____

Signature: _____

Date: _____

Country of Citizenship: _____

Residence: _____
(City and State/City and Country only)

P. O. Address: _____

Aventis Pharmaceuticals Inc.
Patent Department
Route #202-206
P.O. Box 6800
Mail Code D-303A
Bridgewater, NJ 08807-0800
Telephone (908) 231-2965
Telefax (908) 231-2626

Aventis Docket No. DEAV2002/0059 US NP

UNITED STATES OF AMERICA

**DECLARATION
FOR PATENT APPLICATION**

As a below named inventor(s), I/We hereby declare that:

My/Our residence(s), post office address(es) and citizenship(s) are as stated below my name(s).
I/We verily believe I am/we are the original, first and sole/joint inventor(s) of the subject matter which is claimed
and for which a patent is sought on the invention entitled:

NOVEL ADENOSINE ANALOGUES AND THEIR USE AS PHARMACEUTICAL AGENTS

and the specification of which ☐ is attached hereto (Aventis Docket No. DEAV 2002/0059 US NP)
(check one) ☒ was filed on **June 27, 2003** as U.S. Application Number **10/608,689**
and was amended on _____ (if applicable).
☐ was described and claimed in PCT Int'l Application Number _____ filed on _____
and as amended under PCT Article 19 on _____ (if any).

I/We hereby state that I/We have reviewed and understand the contents of the above identified specification,
including the claims as amended by any amendment referred to above.
I/We acknowledge the duty to disclose to the U.S. Patent and Trademark Office all information known to me/us to
be material to patentability as defined in 37 C.F.R. 1.56.

- ☒ I/We hereby claim foreign priority benefits under Title 35, United States Code §119(a)-(d) or 365 (b) of any foreign
application(s) for patent or inventor's certificate, or 365(a) of any PCT international application which designated at
least one other country other than the United States of America, listed below and having a filing date before that of
the application on which priority is claimed. I/We have also identified below any foreign application for patent or
inventor's certificate having a filing date before that of the application on which priority is claimed:

Foreign Priority: **02 014 324.4** **European** **27 June 2002**
Number Country Day/Month/Year Filed

Prior Foreign Appn(s): Number Country Day/Month/Year Filed

- ☒ I/We hereby claim the benefit under Title 35, United States Code §119(e) of any United States Provisional
application(s) listed below:

60/434,164 **December 17, 2002**
Number Filing Date

- ☐ I/We hereby claim the benefit under Title 35, United States Code §120 or 365(c) of any United States
application(s) or international application designating the United States listed below and, insofar as the subject
matter of each of the claims of this application is not disclosed in the prior United States application in the manner
provided by the first paragraph of Title 35, United States Code §112, I/We acknowledge the duty to disclose
information which is material to patentability as defined in Title 37, Code of Federal Regulations §1.56 which
became available between the filing date of the prior application and the national or PCT international filing date of
this application.

Application Serial No. Filing Date Status (Patented, Pending)

I/We hereby declare that all statements made herein of my own knowledge are true and that all statements made on information
and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements
and the like so made are punishable by fine or imprisonment, or both, under Title 18, United States code §1001, and that such
willful false statements may jeopardize the validity of the application or any patent issued thereon.

Inventors(s): ☒ Additional names and signatures are attached.

1. Full name: **Antony Bigot**

Signature: *Antony Bigot*

Date: **06/10/2003**

Country of Citizenship: **France**

Residence: **Vitry-sur-Seine, France**
(City and State/City and Country only)

P. O. Address: **13, quai Jules Guesde**
f-94400 Vitry-sur-Seine, France

2. Full name: **Siegfried Stengelin**

Signature: _____

Date: _____

Country of Citizenship: **Germany**

Residence: **Eppstein, Germany**
(City and State/City and Country only)

P. O. Address: **Sachsenring 27**
Eppstein, Germany

UNITED STATES OF AMERICA

DECLARATION
FOR PATENT APPLICATION

As a below named inventor(s), I/We hereby declare that:

My/Our residence(s), post office address(es) and citizenship(s) are as stated below my name(s).
I/We verily believe I am/we are the original, first and sole/joint inventor(s) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

NOVEL ADENOSINE ANALOGUES AND THEIR USE AS PHARMACEUTICAL AGENTS

and the specification of which ☐ is attached hereto (Aventis Docket No. DEAV 2002/0059 US NP)
(check one) ☒ was filed on **June 27, 2003** as U.S. Application Number 10/608,689
and was amended on (if applicable).
☐ was described and claimed in PCT Int'l Application Number filed on
and as amended under PCT Article 19 on (if any).

I/We hereby state that I/We have reviewed and understand the contents of the above identified specification, including the claims as amended by any amendment referred to above.
I/We acknowledge the duty to disclose to the U.S. Patent and Trademark Office all information known to me/us to be material to patentability as defined in 37 C.F.R. 1.56.

☒ I/We hereby claim foreign priority benefits under Title 35, United States Code §119(a)-(d) or 365 (b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT international application which designated at least one other country other than the United States of America, listed below and having a filing date before that of the application on which priority is claimed. I/We have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Foreign Priority: 02 014 324.4 European 27 June 2002
Number Country Day/Month/Year Filed

Prior Foreign Appln(s): Number Country Day/Month/Year Filed

☒ I/We hereby claim the benefit under Title 35, United States Code §119(e) of any United States Provisional application(s) listed below:

60/434,164 December 17, 2002
Number Filing Date

☐ I/We hereby claim the benefit under Title 35, United States Code §120 or 365(c) of any United States application(s) or international application designating the United States listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code §112, I/We acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations §1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

Application Serial No. Filing Date Status (Patented, Pending)

I/We hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Title 18, United States code §1001, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Inventors(s): ☒ Additional names and signatures are attached.

1. Full name: Antony Bigot

Signature: _____

Date: _____

Country of Citizenship: France

Residence: Vitry-Sur-Seine, France
(City and State/City and Country only)

P. O. Address: 13, quai Jules Guesde
f-94400 Vitry-sur-Seine, France

2. Full name: Siegfried Stengelin

Signature: Siegfried Stengelin

Date: Oct 23, 2003

Country of Citizenship: Germany

Residence: Eppstein, Germany
(City and State/City and Country only)

P. O. Address: Sachsenring 27
Eppstein, Germany

3. Full name: Gerhard JaehneSignature: Gerhard JaehneDate: Oct. 27, 2003Country of Citizenship: GermanyResidence: Frankfurt am Main, Germany
(City and State/City and Country only)P. O. Address: Seebachstr. 2265926 Frankfurt am Main, Germany4. Full name: Andreas HerlingSignature: Andreas HerlingDate: Oct. 27, 2003Country of Citizenship: GermanyResidence: Bad Camberg, Germany
(City and State/City and Country only)P. O. Address: Am Walbersteuck 565520 Bad Camberg, Germany5. Full name: Gunter MuellerSignature: Gunter MuellerDate: Oct. 27, 2003Country of Citizenship: GermanyResidence: Sulzbach, Germany
(City and State/City and Country only)P. O. Address: Im Haindell 1 b65843 Sulzbach, Germany6. Full name: Franz Jakob Hock

Signature: _____

Date: _____

Country of Citizenship: GermanyResidence: Dieburg, Germany
(City and State/City and Country only)P. O. Address: Altstadt 1964807 Dieburg, Germany7. Full name: Michael R. Myers

Signature: _____

Date: _____

Country of Citizenship: USAResidence: Fishers, IN
(City and State/City and Country only)P. O. Address: 11227 Windemere BoulevardFishers, IN, 46038

8. Full name: _____

Signature: _____

Date: _____

Country of Citizenship: _____

Residence: _____
(City and State/City and Country only)

P. O. Address: _____

9. Full name: _____

Signature: _____

Date: _____

Country of Citizenship: _____

Residence: _____
(City and State/City and Country only)

P. O. Address: _____

10. Full name: _____

Signature: _____

Date: _____

Country of Citizenship: _____

Residence: _____
(City and State/City and Country only)

P. O. Address: _____

Aventis Pharmaceuticals Inc.

Patent Department

Route #202-206

P.O. Box 6800

Mail Code D-303A

Bridgewater, NJ 08807-0800

Telephone (908) 231-2965

Telefax (908) 231-2626

Aventis Docket No. DEAV2002/0059 US NP

DECLARATION FOR PATENT APPLICATION

As a below named inventor(s), I/We hereby declare that:

My/Our residence(s), post office address(es) and citizenship(s) are as stated below my name(s).
I/We verily believe I am/we are the original, first and sole/joint inventor(s) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

NOVEL ADENOSINE ANALOGUES AND THEIR USE AS PHARMACEUTICAL AGENTS

and the specification of which ☐ is attached hereto (Aventis Docket No. DEAV 2002/0059 US NP)
☒ was filed on June 27, 2003 as U.S. Application Number 10/608,689
and was amended on (if applicable).
☐ was described and claimed in PCT int'l Application Number filed on
and was amended under PCT Article 19 on (if any).

I/We hereby state that I/We have reviewed and understand the contents of the above identified specification, including the claims as amended by any amendment referred to above.
I/We acknowledge the duty to disclose to the U.S. Patent and Trademark Office all information known to me/us to be material to patentability as defined in 37 C.F.R. 1.56.

☒ I/We hereby claim foreign priority benefits under Title 35, United States Code §119(a)-(d) or 385 (b) of any foreign application(s) for patent or inventor's certificate, or 385(a) of any PCT international application which designated at least one other country other than the United States of America, listed below and having a filing date before that of the application on which priority is claimed. I/We have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Foreign Priority:	<u>02 014 324.4</u> Number	<u>European</u> Country	<u>27 June 2002</u> Day/Month/Year Filed
----------------------	-------------------------------	----------------------------	---------------------------------------------

Prior Foreign App(s):	<u>Number</u>	<u>Country</u>	<u>Day/Month/Year Filed</u>
-----------------------------	---------------	----------------	-----------------------------

☒ I/We hereby claim the benefit under Title 35, United States Code §119(e) of any United States Provisional application(s) listed below:

<u>60/434,164</u> Number	<u>December 17, 2002</u> Filing Date
-----------------------------	-----------------------------------------

☐ I/We hereby claim the benefit under Title 35, United States Code §120 or 385(c) of any United States application(s) or international application designating the United States listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code §112, I/We acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations §1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

Application Serial No.	Filing Date	Status (Patented, Pending)
------------------------	-------------	----------------------------

I/We hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Title 18, United States code §1001, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Inventor(s): ☒ Additional names and signatures are attached.

1. Full name: Antony Elgot

2. Full name: Siegfried Stengel

Signature: _____

Signature: _____

Date: _____

Date: _____

Country of Citizenship: France

Country of Citizenship: Germany

Residence: Vitry-sur-Seine, France
(City and State/City and Country only)

Residence: Eppstein, Germany
(City and State/City and Country only)

P. O. Address: 13, quai Jules Guesde
F-94400 Vitry-sur-Seine, France

P. O. Address: Sachsenring 27
Eppstein, Germany

3. Full name: Gerhard Jaehne

Signature: _____

Date: _____

Country of Citizenship: GermanyResidence: Frankfurt am Main, Germany
(City and State/City and Country only)P. O. Address: Seebachstr. 23
65926 Frankfurt am Main, Germany4. Full name: Andreas Herling

Signature: _____

Date: _____

Country of Citizenship: GermanyResidence: Bad Camberg, Germany
(City and State/City and Country only)P. O. Address: Am Walberstonck 5
65520 Bad Camberg, Germany5. Full name: Guenther Mueller

Signature: _____

Date: _____

Country of Citizenship: GermanyResidence: Sulzbach, Germany
(City and State/City and Country only)P. O. Address: Im Haindell 1 b
65843 Sulzbach, Germany6. Full name: Franz Jakob HockSignature: Franz J. HockDate: 2003-10-16Country of Citizenship: GermanyResidence: Dieburg, Germany
(City and State/City and Country only)P. O. Address: Alstadt 19
64807 Dieburg, Germany7. Full name: Michael R. Myers

Signature: _____

Date: _____

Country of Citizenship: USAResidence: Fishers, IN
(City and State/City and Country only)P. O. Address: 11227 Windemere Boulevard
Fishers, IN. 46038

8. Full name: _____

Signature: _____

Date: _____

Country of Citizenship: _____

Residence: _____
(City and State/City and Country only)

P. O. Address: _____

9. Full name: _____

Signature: _____

Date: _____

Country of Citizenship: _____

Residence: _____
(City and State/City and Country only)

P. O. Address: _____

10. Full name: _____

Signature: _____

Date: _____

Country of Citizenship: _____

Residence: _____
(City and State/City and Country only)

P. O. Address: _____

Aventis Pharmaceuticals Inc.
Patent Department
Route #202-206
P.O. Box 6800
Mail Code D-303A
Bridgewater, NJ 08807-0800
Telephone (908) 231-2965
Telefax (908) 231-2626

Aventis Docket No. DBA V2002/0059 US NP